

Application No.: 10/791,325

Docket No.: JCLA12795

In The Claims:

Please amend the claims according to the following listing of claims and substitute it for all prior versions and listings of claims in the application.

1. (currently amended) A chip on photosensitive device package structure, comprising:
a photosensitive device having an illumination area and a non-illumination area;
a transparent plate having a first surface and a corresponding second surface, wherein the transparent plate is set on the photosensitive device with the first surface covering the illumination area and the non-illumination area; and
a chip set on the second surface of the transparent plate only above the non-illumination area.
2. (original) The package structure of claim 1, wherein the package further comprises a memory device set on the second surface of the transparent plate above the non-illumination area.
3. (original) The package structure of claim 1, wherein the photosensitive device has an array of photodiodes positioned within the illumination area.
4. (original) The package structure of claim 1, wherein the non-illumination area is located at the periphery of the illumination area.
5. (original) The package structure of claim 1, wherein the photosensitive device comprises a charge coupled device (CCD).
6. (original) The package structure of claim 1, wherein the photosensitive device comprises a complementary metal-oxide-semiconductor (CMOS) image sensor.

Application No.: 10/791,325

Docket No.: JCLA12795

7. (original) The package structure of claim 1, wherein material constituting the transparent plate comprises one of glass and acrylic material.

8. (original) The package structure of claim 1, wherein the chip comprises a signal-processing chip.

9. (currently amended) An electrical package structure, comprising:

a circuit substrate;

a photosensitive device set on the circuit substrate and electrically connected to the circuit substrate through a plurality of first conductive wires, wherein the photosensitive device has an illumination area and a non-illumination area;

a transparent plate having a first surface and a corresponding second surface, wherein the transparent plate is set on the photosensitive device with the first surface covering the illumination area and the non-illumination area; and

a chip set on the second surface of the transparent plate only above the non-illumination area and electrically connected to the circuit substrate through a plurality of second conductive wires.

10. (original) The electrical package structure of claim 9, wherein the package further comprises a memory device set on the second surface of the transparent plate above the non-illumination area.

11. (original) The electrical package structure of claim 9, wherein the photosensitive device has an array of photodiodes set within the illumination area.

Application No.: 10/791,325

Docket No.: JCLA12795

12. (original) The electrical package structure of claim 9, wherein the non-illumination area is located at the periphery of the illumination area.

13. (original) The electrical package structure of claim 9, wherein the photosensitive device comprises a charge coupled device (CCD).

14. (original) The electrical package structure of claim 9, wherein the photosensitive device comprises a complementary metal-oxide-semiconductor (CMOS) image sensor.

15. (original) The electrical package structure of claim 9, wherein material constituting the transparent plate comprises one of glass and acrylic material.

16. (original) The electrical package structure of claim 9, wherein the chip comprises a signal-processing chip.

Claim 17. (cancelled)

18. (new) An electrical package structure, comprising:

a circuit substrate;

a photosensitive device set on the circuit substrate and electrically connected to the circuit substrate through a plurality of first conductive wires, wherein the photosensitive device has an illumination area and a non-illumination area;

a transparent plate having a first surface and a corresponding second surface, wherein the transparent plate is set on the photosensitive device with the first surface covering the illumination area and the non-illumination area; and

Application No.: 10/791,325

Docket No.: JCLA12795

a chip set on the second surface of the transparent plate substantially above the non-illumination area and electrically connected to the circuit substrate through a plurality of second conductive wires.

19. (new) A chip on photosensitive device package structure, comprising:

a photosensitive device having an illumination area and a non-illumination area;

a transparent plate having a first surface and a corresponding second surface, wherein the transparent plate is set on the photosensitive device with the first surface covering the illumination area and the non-illumination area; and

a chip set on the second surface of the transparent plate substantially above the non-illumination area.